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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/660,931	09/13/2000	ATTAULLAH SHEIKH	36J.P248	7452

5514 7590 11/21/2006

FITZPATRICK CELLA HARPER & SCINTO  
30 ROCKEFELLER PLAZA  
NEW YORK, NY 10112

EXAMINER
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DUONG, THOMAS

ART UNIT	PAPER NUMBER
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2145

DATE MAILED: 11/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Supplemental  
Notice of Allowability**

Application No.

09/660,931

Examiner

Thomas Duong

Applicant(s)

SHEIKH, ATTAULLAH

Art Unit

2145

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to July 20, 2006.
2. ☒ The allowed claim(s) is/are 1-12, 19-25, and 29-35.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**JASON CARDONE**  
SUPERVISORY PATENT EXAMINER

## **DETAILED ACTION**

### ***Response to Arguments***

1. The Applicants' arguments and amendments filed on July 20, 2006 have been fully considered and are persuasive.

### ***Examiner's Amendment***

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
3. Authorization for this examiner's amendment was given in a telephone interview with Edward A. Kmett (Reg. No. 42,746) on October 25, 2006.
4. The application has been amended as follows:

Please amend *claim 31* as follow:

31. (Currently amended) Computer executable process steps according to Claim ~~28~~ 29, wherein the member registers with at least one multicast group corresponding to add, delete, modify or search change categories.

### ***Allowable Subject Matter***

Art Unit: 2145

5. *Claims 1-12, 19-25, and 29-35 are allowed. The claims indicated include limitations that the prior arts of record do not appear to teach or render obvious, hence they are allowed.*

6. The following is an examiner's statement of reasons for allowance:

As presented in the previous Office Action, Crawley (US006321270B1) teaches of *configuring multicast groups by adding, deleting or modifying network nodes as members that subscribes to receive changes or updates in the network topology. According to Crawley, "some network nodes participating in a particular multicast session may be preconfigured by the network administrator" (Crawley, col.4, lines 65-67) implying that the network administrator may preconfigure a multicast session for a set of network nodes or group that, in responding to "various types of changes, including adding new multicast members, deleting existing multicast members", etc. (Crawley, col.5, lines 23-25), "the multicast control information and network nodes participating in the multicast sessions are updated" (Crawley, col.5, lines 27-29). Hence, Crawley teaches of configuring multicast groups and updating information to the subscribed multicast groups. Also presented in the previous Office Action, Holloway et al. (US006175866B1) teaches of a method and system where "one or more network parameters of one or more network devices are grouped. In response to grouping, a group monitor is constructed wherein any changes of the grouped one or more network parameters are reflected by the constructed group monitor. The constructed group monitor can thereafter be monitored for indications of changes in any of the grouped network parameters" (Holloway, col.2, lines 33-40).*

However, the prior arts of record fail to teach or suggest individually or in combination as stated in the independent claims for *"establishing plural multicast groups, each multicast group corresponding to a respective change category for a type of change made to the directory in the directory server, and"* and in combination with other limitations as set forth in the independent claims, as well as Applicants' arguments presented on pages 9-15 of the amendment filed on July, 2006. In the fore mentioned amendment, the Applicants argued, *"A group of network devices having a common network parameter that can be changed is simply different from a multicast group corresponding to a respective change category for a type of change made to a directory in a directory server."* (pg.14, lines 4-7).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### **Conclusion**

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas Duong whose telephone number is 571/272-3911. The examiner can normally be reached on M-F 7:30AM - 4:00PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason D. Cardone can be reached on 571/272-3933. The fax phone numbers for the organization where this application or proceeding is assigned are 571/273-8300 for regular communications and 571/273-8300 for After Final communications.

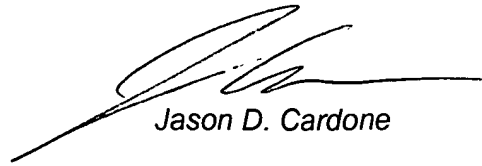
Application/Control Number: 09/660,931

Page 5

Art Unit: 2145

*Thomas Duong (AU2145)*

*October 27, 2006*

A handwritten signature in black ink, appearing to read 'Jason D. Cardone', with a long horizontal stroke extending to the right.

*Jason D. Cardone*

*Supervisory PE (AU2145)*